



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

KA

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/616,041	07/08/2003	Hsi-Tsai Chen	SIPT121438	9797
26389	7590	06/08/2005	EXAMINER	
CHRISTENSEN, O'CONNOR, JOHNSON, KINDNESS, PLLC 1420 FIFTH AVENUE SUITE 2800 SEATTLE, WA 98101-2347			JIMENEZ, MARC QUEMUEL	
		ART UNIT		PAPER NUMBER
				3726

DATE MAILED: 06/08/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)
	10/616,041	CHEN, HSI-TSAI
	Examiner	Art Unit
	Marc Jimenez	3726

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on _____.
 2a) This action is **FINAL**. 2b) This action is non-final.
 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-6 is/are pending in the application.
 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
 5) Claim(s) ____ is/are allowed.
 6) Claim(s) 1 and 3-6 is/are rejected.
 7) Claim(s) 2 is/are objected to.
 8) Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
 10) The drawing(s) filed on 10 July 2003 is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date: _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date: _____ | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Priority

1. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. **Claims 1 and 3-6** are rejected under 35 U.S.C. 102(b) as being anticipated by Miller et al. (US 6,079,662).

Miller et al. teach an airshaft for holding a roll of web material, comprising: an elongate shaft body **212** having a shaft axis and an outer cylindrical shaft surface formed with at least three longitudinally extending bladder retaining grooves **214**, each of the bladder retaining grooves **214** being generally inverted T-shaped and having a narrower access opening formed in the shaft surface and a wider retaining section disposed between the access opening and the shaft axis; a set of elongate inflatable bladder members **216**, each of which is received in the retaining section of a respective one of the retaining grooves **214**; and a plurality of roll contact pieces **220**, each of which has a biased side **230** disposed in the retaining section of one of the retaining

grooves **214** and in contact with the inflatable bladder member **216** in one of the retaining grooves **214**, and a roll contacting side (see close to lead line **220**) extending out of one of the retaining grooves **214** through the access opening of one of retaining grooves **214**, the roll contacting side having a distal contact face; wherein the roll contact pieces **220** include a set of first roll contact pieces **222** and a set of second roll contact pieces **220**, the distal contact face of the roll contacting side of each of the first roll contact pieces **222** forming a first height with the inflatable bladder member **216** in one of said retaining grooves **214**, the distal contact face of the roll contacting side of each of the second roll contact pieces **220** forming a second height with the inflatable bladder member **216** in one of the retaining grooves **214**, the second height being shorter than said first height (see figure 9); whereby, when the roll of web material is sleeved on the shaft body **212**, and when the inflatable bladder members **216** are inflated, the distal contact faces of the roll contacting sides of the first roll contact pieces **222** contact the roll of web material for holding the roll of web material on the shaft body **212**, and the distal contact faces of the roll contacting sides of the second roll contact pieces **220** contact the roll of web material for positioning stably the roll of web material on the shaft body **212**.

Regarding claim 3, the bladder retaining grooves **214** extends parallel to the shaft axis.

Regarding claim 4, as shown in figure 13, the bladder could extend along a twisted line with respect to the shaft axis.

Regarding claim 5, it is inherent that there is an air pump unit connected to the inflatable bladder members **216** in order to expand the bladder members.

Regarding claim 6, as shown in figure 9, the contact pieces **220,222** are disposed side-by-side on the inflatable bladder member **216** in one of the retaining grooves **214**.

Allowable Subject Matter

4. Claim 2 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Contact Information

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Marc Jimenez whose telephone number (571) 272-4530. The examiner can normally be reached on Monday-Friday between 5:30 a.m.-2:00 p.m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Peter Vo can be reached on (571) 272-4690. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

MJ
May 10, 2005

Marc Jimenez
MARC JIMENEZ
PRIMARY EXAMINER
5/9/05